

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

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January 30, 1992

Greg Speer, Project Leader
Alaskan Copper
628 South Hanford
Seattle, WA 98134

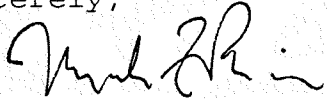
Dear Mr. Speer:

Your machine oil samples submitted on January 17, 1992 from Project 12' Shear-Oil Sample, PO #M23140 were tested for contaminants.

ICP scan wear metal analysis results on both samples indicated the absence of elevated levels of materials common to used oil. Neutral pH measurements were observed on both samples. Filtering the used oil did not change its color, indicating that no materials $>0.45 \mu\text{M}$ were present.

We appreciate this opportunity to be of service to you on this project. If you have any questions regarding this material, or if you just want to discuss any aspect of your projects, please do not hesitate to contact me.

Sincerely,



Mark Z Perin, Chemist

MZP/dp

Enclosures

